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d his

     (FILE 'HOME' ENTERED AT 13:19:54 ON 07 SEP 2003)

     FILE 'REGISTRY' ENTERED AT 13:20:01 ON 07 SEP 2003
L1             0 (60<CU<70 AND 1<PB<3 AND .2<SI<2 AND 0<AL<.5 AND 0<AS<1 AND 0<B
L2             0 (60<CU<70 AND 1<PB<3 AND .2<SI<2 AND 0<AL<.5 AND 0<B AND 35<ZN)
L3            13 (60<CU<70 AND 1<PB<3 AND .2<SI<2 AND 0<AL<.5 AND 35<ZN)/MAC

     FILE 'HCAPLUS' ENTERED AT 13:22:09 ON 07 SEP 2003
L4            36 L3
L5        241821 (COPPER OR CU) AND (ZINC OR ZN)
L6            19 L4 AND L5
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L Numb r	Hits	S arch Text	DB	Tim stamp
1	122425	(c pper Cu) sam (zinc zn)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/09/07 13:47
2	16162	((copper Cu) same (zinc zn)) and (arsenic As) and (lead Pb) and (silicon Si) and (aluminum Al) and (iron Fe)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/09/07 13:47
3	14896	1.clm.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/09/07 13:47
4	3219	1.clm. and (((copper Cu) same (zinc zn)) and (arsenic As) and (lead Pb) and (silicon Si) and (aluminum Al) and (iron Fe))	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/09/07 13:47
5	14896	(copper Cu) same (zinc zn).clm.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/09/07 13:48
6	107559	(copper Cu zinc Zn) near1 (alloy balancing balance balanced base based rest remain remains remained brass)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/09/07 13:50
7	928	((copper Cu zinc Zn) near1 (alloy balancing balance balanced base based rest remain remains remained brass)) and (1.clm. and (((copper Cu) same (zinc zn)) and (arsenic As) and (lead Pb) and (silicon Si) and (aluminum Al) and (iron Fe)))	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/09/07 13:51
8	98	(((copper Cu zinc Zn) near1 (alloy balancing balance balanced base based rest remain remains remained brass)) and (1.clm. and (((copper Cu) same (zinc zn)) and (arsenic As) and (lead Pb) and (silicon Si) and (aluminum Al) and (iron Fe)))) and arsenic	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/09/07 13:53
9	98	((((copper Cu zinc Zn) near1 (alloy balancing balance balanced base based rest remain remains remained brass)) and (1.clm. and (((copper Cu) same (zinc zn)) and (arsenic As) and (lead Pb) and (silicon Si) and (aluminum Al) and (iron Fe)))) and arsenic) and "As"	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/09/07 13:54
10	88	((((copper Cu zinc Zn) near1 (alloy balancing balance balanced base based rest remain remains remained brass)) and (1.clm. and (((pp r Cu) sam (zinc zn)) and (arsenic As) and (lead Pb) and (silic n Si) and (aluminum Al) and (ir n Fe)))) and ars nic) and "As".clm.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/09/07 14:02

12	0	lang l tz near2 ulla	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/09/07 14:03
11	1	da k r n ar2 carl	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/09/07 14:04

AN 1987:181124 HCAPLUS
DN 106:181124
TI Corrosion-resistant lead brass
IN Kleczek, Henryk; Orzechowski, Henryk; Dobrowolski, Krzysztof; Sliwa, Jozef; Machalica, Stanislaw
PA Zaklady Hutniczo-Przetworcze Metali Niezelaznych "Hutmen", Pol.
SO Pol., 2 pp.
CODEN: POXXA7
DT Patent
LA Polish
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	PL 129198	B1	19840430	PL 1981-230049	19810306
PRAI	PL 1981-230049		19810306		

AB Pb brass contg. **Cu** 60-66, Pb 1-3.5, Al 0.1-1.5, As 0.1-0.25, Ni 0.1-1% and **Zn** balance is resistant to dezincification and pitting and intergranular corrosion, and is suitable for pipe fittings and valves. Pb brass rods contg. **Cu** 63.5, Pb 1.5, Al 0.3, Ni 0.1, As 0.1%, and **Zn** balance was prepd. in an elec. furnace by melting **Cu**, **Zn**, scrap brass, **Cu**-Al, **Cu**-Ni, Pb, and **Cu**-As, followed by casting and hot pressing at 1013 K.

AN 1983:220411 HCAPLUS
DN 98:220411
TI Two-phase brass containing arsenic having high resistance to dezincification
IN Zobrist, Jean Francois
PA Affinage-Champagne-Ardennes (AFICA), Fr.
SO Fr. Demande, 14 pp.
CODEN: FRXXBL
DT Patent
LA French
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	FR 2506334	A1	19821126	FR 1981-10170	19810521
	FR 2506334	B1	19860110		
PRAI	FR 1981-10170		19810521		

AB The brass contains 10-20% .beta.'-phase. Thus, the brass [**86007-41-2**] consisting of **Cu** 62.3-63.2, Pb 1.30-1.70, Al 0.15-0.60, As 0.05-0.15, Sn 0.15-0.50, Fe 0.10-0.30, Ni 0.10-0.30 %, and balance **Zn** with 15-20% .beta.'-phase was die cast at 950.degree. at a rate of 150, 180, and 220/h. The resp. reject rates were 1, 1-2, and 4-5%, compared with 2, 30-40, and 80 for a similar brass contg. Sb in place of As.

AN 1979:27815 HCAPLUS
DN 90:27815
TI **Copper** alloys
PA Toyo Valve Co., Ltd., Japan
SO Fr. Demande, 20 pp.
CODEN: FRXXBL
DT Patent
LA French
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	FR 2356733	A1	19780127	FR 1976-19926	19760630
	FR 2356733	B1	19790112		
PRAI	FR 1976-19926		19760630		

AB **Cu** alloys contg. **Zn** 27-32, Pb 0.8-4, Si 0.2-0.8, Mn 0.1-2, As 0.01-0.1, Al 0.03-0.4, and Sn 0.01-1% have satisfactory mech. properties, corrosion resistance, castability, workability, and machinability. A typical **Cu** alloy [68631-45-8] contains **Zn** 27, Pb 2.07, Si 0.41, Mn 1.86, As 0.1, and Al 0.31%.

AN 1974:136650 HCAPLUS
DN 80:136650
TI **Copper-zinc** casting alloy
IN Nylander, T.
PA Aktiebolag Gotthard Nilsson
SO Swed., 3 pp.
CODEN: SSXXAY
DT Patent
LA Swedish
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	SE 358415	B	19730730	SE 1971-15215	19711126
PRAI	SE 1971-15215		19711126		

AB The **Cu** casting alloy contains Pb 1.0-2.0, Si 0.6-0.8, As 0.05-0.15, Al 0.2-0.4, Mn 0.2-0.4, Sn <0.8, Fe <0.5%, and balance **Zn**.